

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number. **2003024794 A**

(43) Date of publication of application: **28.01.03**

(51) Int. Cl.

B01J 29/035

B01J 29/03

B01J 29/89

C01B 15/029

(21) Application number: **2001210389**

(22) Date of filing: **11.07.01**

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(54) **CATALYST FOR PRODUCING HYDROGEN
PEROXIDE**

(57) Abstract:

PROBLEM TO BE SOLVED: To provide a catalyst excellent in activity and selectivity for synthesizing hydrogen peroxide directly from hydrogen and oxygen and a method for producing hydrogen peroxide using the catalyst.

SOLUTION: The catalyst for synthesizing hydrogen peroxide directly from oxygen and hydrogen comprising at least one element selected from platinum group elements, rare earth elements, titanium, niobium, nickel, molybdenum, and tungsten and the method for producing hydrogen peroxide using the catalyst are provided.

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